How to Convert Tasword II to the 2068 Microdrive

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On the back of this sheet are some program lines. After you've connected your 2068 Microdrive, Load Tasword II from your cassette player. Press the Symbol Shift and Stop keys to get to the Tasword II main menu. Press "b" for BASIC and <ENTER>. You are now able to list the BASIC portion of Tasword II to your screen. Now, change and/or add the program lines as they appear on the back of this sheet.

Once you have performed all of the changes, press "RUN" and <ENTER> and you should find yourself looking at the text file screen. Again, press the Symbol shift and Stop keys to get to the main menu. If you look closely, you'll see the changes in this menu include a new title and the addition of a "wafer directory" to the previous selections. Insert a previously certified microwafer into your 2068 Microdrive and press "t" for "save tasword". Press <ENTER> and the Microdrive should begin to operate... one of it's red lights will light up. When it finds a spot to put Tasword II on the wafer, both red lights will display... telling you that the drive is writing the program onto itself. Verification will be automatic and a notification that both Tasword and Tascode have been verified will appear on your screen.

Tasword II/Microdrive Operating Tips

The Wafer directory (from main menu) will start the microdrive searching through the wafer for a file it can never find. As it passes each existing file, the filename will be displayed on your screen. It will continue to search even after displaying all existing files, so you have to press BREAK and RUN to get back to Tasword II. We hope to have instructions that will cause the search to end after one cycle, but don't have them yet.

Saving, verifying, and loading text files is easier than you might think. Once a file has been entered, go to the main menu and select "s" to save the text file. When you are asked to give the file name, enter it in Microdrive langauge. That is: @1,filename. The @ symbol activates the Microdrive. "1" is the file number, and then the filename. Don't forget to separate the number from the name with a comma. Press <ENTER> after you have typed the filename in this fashion. You'll next be asked if you want to verify the Save. You always want to verify. So answer yes. The verification file name is different from the save file name. You leave out the the file number and the comma. Loading a file and merging a file, you use the same filename as verification uses. That is, you leave out the file number and the comma. SAVE filenames look like this: @#,f. LOAD, MERGE, and Verify filenames look like this: @f

Other than the above functions, Tasword II operates the same for the Microdrive as it does for cassette systems.

Microdrive Tip

The Microdrive manual states that you can only have 9 files per microwafer. Actually, you can have something like 200. The trick is that you can have only 9 file *numbers*. The file number doesn't have to be a number, however. You can have a file number ":" or "A", or any character. Look on page 241 of your 2068 manual and you can see the beginning of the list of possible file "numbers" beginning with 2.

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  11 delete this line
  15> POKE 23609,2: CLEAR 33279: GO SUB 4000: LOAD "@tascode" CODE : LET a= USR
59081: GO TO 10
  25> GO SUB  VAL "4000":  PRINT  AT  VAL "5", VAL "0";"print text file
      p"
  60> PRINT  AT 3,0;"wafer directory"; AT 3,31;"d"
 110> IF b= VAL "115" THEN  LET i= VAL "7"
 120> IF b= VAL "106" THEN  LET i= VAL "9"
 125> IF b= VAL "116" THEN  LET i= VAL "17"
 130> IF b= VAL "112" THEN  LET i= VAL "5"
 140> IF b= VAL "121" THEN  LET i= VAL "13"
 150> IF b= VAL "109" THEN  LET i= VAL "11"
 160> IF b= VAL "103" THEN  LET i= VAL "15"
 170> IF b= VAL "98" THEN  LET i= VAL "19"
 175> IF b=100 THEN  LET i=3
 670> IF b=100 THEN  GO TO 5000
 700> CLS : SAVE "@1,tasword" LINE 15
 710> SAVE "@2,tascode" CODE 54784,10751
 780> VERIFY "@tasword": PRINT  AT 21,0;"tasword basic O.K.;"; AT 19,0;
 790> VERIFY "@tascode" CODE 54784,10751: PRINT  AT 21,20;"m/code O.K.": GO TO 2
5
 800> PRINT  AT i, VAL "0";"Now saving to Microdrive.": RETURN
  900 delete this line
1000> LET b= FN p(62216): CLS
1005> PRINT  AT 8,0;"Name of text file for saving?(@#,f)": LET i=10: LET j0=0: G
O SUB 6000
1070> CLS : PRINT  AT 8,0;"Enter the file to be verified (@f).";
1075>  INPUT f$
1100> CLS : VERIFY f$ CODE b,a: CLS : PRINT  AT 21,6;"text file verified": GO TO
 25
2020> LET j0=0: LET i=16: GO SUB 6000: IF a$="" THEN  GO TO 2000
4000> PRINT  AT  VAL "0", VAL "2";"Tasword Two-2068 Microdrive"; AT  VAL "1", VA
L "4";"@ Tasman Software 1983": RETURN
5000> CLS : PRINT  AT 2,1;"Continuous Microwafer Directory": PRINT  AT 4,5;"To R
eturn to Text:": FLASH 1: PRINT  AT 5,4;"Press BREAK and RUN.": FLASH 0: VERIFY
"@"
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